

City of Chattanooga, TN
Personnel Class Specification

Class code 0115

FLSA: Exempt

**CLASSIFICATION TITLE: SYSTEMS & DATABASE SPECIALIST,
SENIOR**

PURPOSE OF CLASSIFICATION

The purpose of this classification is to provide computer-related technical support for all departmental functions, and ensuring the efficient retrieval and sufficient protection of data.

ESSENTIAL FUNCTIONS

The following duties are normal for this position. These are not to be construed as exclusive or all-inclusive. Other duties may be required and assigned.

Analyzes and monitors database, system, and network performance; installs and maintains database, application, and support software, as well as operating systems.

Writes bid specifications, assesses bids, interacts with vendors, and participates in awarding contracts; evaluates new software and hardware.

Provides support to users, computer operators, analysts, and programmers.

Performs recovery of databases and system software; diagnoses and resolves software and hardware problems; researches to find new, more efficient solutions.

Helps to develop and revise standards for scheduling and improved data input procedures.

Analyzes computer information requirements and determines file organization for database management system; performs capacity planning.

Monitors incoming e-mail related to systems and database functions; composes, reads, and responds to e-mail in the completion of daily duties.

Keeps abreast of new computer technology by reading industry-related publications and attending seminars as available.

Produces hardware and software catalogs and documentation on database and operating system hardware and software usage.

Performs other related duties including resetting user passwords, completing questionnaires, responding to questions from vendors, creating system accounts, defining printer forms, and others.

ADDITIONAL FUNCTIONS

Performs other related duties as required.

MINIMUM QUALIFICATIONS

Associate's degree or Vocational/Technical degree with training emphasis in Computer Science; supplemented by three (3) to five (5) years previous experience and/or training that includes management and configuration of network databases, operating systems, and application software; or any equivalent combination of education, training, and experience which provides the requisite knowledge, skills, and abilities for this job.

PERFORMANCE APTITUDES

Data Utilization: Requires the ability to evaluate, audit, deduce, and/or assess data using established criteria. Includes exercising discretion in determining actual or probable consequences and in referencing such evaluation to identify and select alternatives.

Human Interaction: Requires the ability to provide guidance, assistance, and/or interpretation to others regarding the application of procedures and standards to specific situations.

Equipment, Machinery, Tools, and Materials Utilization: Requires the ability to operate and control the actions of equipment and machinery, requiring the monitoring, adjustment, regulation, and/or setting of multiple conditions.

Verbal Aptitude: Requires the ability to utilize a wide variety of reference, descriptive, advisory and/or design data and information.

Mathematical Aptitude: Requires the ability to perform addition, subtraction, multiplication and division; ability to calculate decimals and percentages; may include ability to perform mathematical operations with fractions; may include ability to compute discount, interest, profit and loss, ratio and proportion; may include ability to calculate surface areas, volumes, weights, and measures.

Functional Reasoning: Requires the ability to apply principles of logical or synthesis functions; to deal with several concrete and abstract variables; and to analyze major problems that require complex planning for interrelated activities that can span one or several work units.

Situational Reasoning: Requires the ability to exercise judgment, decisiveness and creativity in situations involving the evaluation of information against sensory, judgmental, or subjective criteria, as opposed to that which is clearly measurable or verifiable.

ADA COMPLIANCE

Physical Ability: Tasks require the ability to exert light physical effort in sedentary to light work, but which may involve some lifting, carrying, pushing and/or pulling of objects and materials of light weight (5-10 pounds). Tasks may involve extended periods of time at a keyboard or work station.

Sensory Requirements: Some tasks require the ability to perceive and discriminate colors or shades of colors, sounds, and visual cues or signals. Some tasks require the ability to communicate orally.

Environmental Factors: Essential functions are regularly performed without exposure to adverse environmental conditions.

Chattanooga, Tennessee, is an Equal Opportunity Employer. In compliance with the Americans with Disabilities Act, the City will provide reasonable accommodations to qualified individuals with disabilities and encourages both prospective and current employees to discuss potential accommodations with the employer.